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CIA-RDP86-00513R000721020012-6

Card 1/3

2000-06-13
ACCESSION NR: AP5016113

increasing temperature. The sample was placed in a dryrefrigerant
chamber indicated a plateau at approximately 100°K.

0

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properties near 110K indicates a phase transition corresponding to
the onset of superconductivity at 110 K with the electron

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2/3

... INFORMATION SINCE NO MATCHES WERE FOUND AND IT IS CONCLUDED THAT

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ASSOCIATION: none

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J 7849-66 EWP(1)/EWP(e)/EPA(s)-2/EWT(m)/EWP(i)/EPA(w)-2/EWP(t)/EWP(b) IJP(c)
ACC NR: AP5028114 JD/GG/WH SOURCE CODE: UR/0048/65/029/011/2034/2037

AUTHOR: Gubkin, A.N.; Kashtanova, A.M.

ORG: none

TITLE: Concerning the relaxation and ferroelectric properties of bismuth titanates
Report, Fourth All-Union Conference on Ferro-electricity held at Rostov-on-the Don
12-16 September 1964

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 11, 1965, 2034-2037

TOPIC TAGS: ferroelectric material, dielectric constant, dielectric loss, dielectric relaxation, phase transition, bismuth titanate

ABSTRACT: The dielectric constants and dielectric losses of $\text{Bi}_2\text{O}_3 \cdot n\text{TiO}_2$ compounds with $n = 2, 3$ and 12 have been measured at temperatures from that of liquid helium to 800°K and frequencies from 50 to 1.1×10^6 cycle/sec in both strong and weak fields. The results obtained for $\text{Bi}_2\text{O}_3 \cdot 3\text{TiO}_2$ are presented graphically and discussed. The material was synthesized at 1400° and consisted of a crystalline phase with a very small admixture of vitreous material. The material was found to be a ferroelectric with a diffuse phase transition in the vicinity of liquid nitrogen temperature and to behave at higher temperatures like a typical relaxation dielectric, exhibiting relaxation polarization. Hysteresis loops could be observed only at liquid helium temperatures.

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L 7849-66

ACC NR: AP5028114

The dielectric constant maximum in the transition region was very broad and did not shift with changing frequency. The loss tangent showed two small maxima in or near the transition region and a maximum at a higher temperature, which was very pronounced and occurred at about 320°K for a frequency of 5 kilocycle/sec. The near room temperature maximum of the loss tangent varied considerably in magnitude and temperature with changing frequency; at 1.1 megacycle/sec this maximum was barely perceptible, the room temperature loss tangent and dielectric constant being approximately 0.025 and 200, respectively. At 800 kilocycle/sec and 293°K the reversible dielectric constant decreased by less than 20% when the bias was increased from zero to 100 KV/cm. It is concluded that dielectrics exist in which ferroelectric and relaxation properties are closely associated. Orig. art. has: 5 figures.

SUB CODE: SS, EM SUBM DATE: 00/ ORIG. REF: 003 OTH REF: 001

Card 2/2

L 36514-56 EWT(m)/EMP(t)/ETI LIP(c) JD

ACC NR: AP6013465

SOURCE CODE: UR/0139/66/000/002/0137/0142

AUTHOR: Gubkin, A. N.; Kashtanova, A. M.ORG: Moscow Institute of Electronic Machine Construction (Moskovskiy institut elektronnogo mashinostroyeniya)TITLE: Dielectric polarization of bismuth titanate

SOURCE: IVUZ. Fizika, no. 2, 1966, 137-142

TOPIC TAGS: bismuth compound, titanate, dielectric constant, dielectric loss, electric polarization, frequency characteristic, temperature dependence, electric hysteresis, ferroelectric effect, relaxation process

ABSTRACT: To check on the anomalous behavior observed in bismuth titanate by many investigators and to reconcile some of the discrepancies between their results, the authors have tested polycrystalline bismuth titanate obtained under controlled conditions. The frequency dependence of the dielectric constant and of the loss angle were characterized by a decrease of the dielectric constant with increasing frequency and by a maximum of the loss angle. The dielectric constant decreased from 350 at about 100 cps to 240 at $10^5 - 10^6$ cps, while the loss angle tangent had a maximum of 0.14 near 10^3 cps and then decreased to 0.01 at $10^5 - 10^6$ cps. The temperature dependence of the dielectric constant exhibited a maximum near 100K at all frequencies. At high temperatures (500K) there was a pronounced frequency dependence, characterized by a rapid rise of the dielectric constant with temperature, especially at frequen-

Card 1/2

Card 2/2 MLP

KASHTANOVA, A. Ye.

"Phytoplankton of the Lower Dnieper," with Ya. V. Roll. This is included in the table of contents of the book The Prospects of the Biological System of the Kakhovskiy Reservoir and the Lower Dnieper, compiled by the Hydrobiological Institute No. 31, and published by the Publishing House of the Ukrainian Academy of Sciences in Kiev, 1953. (page 32)

D-51895

KASHTANOVA,A.Ye.

New variety of Aphanizomenon Elenkinii Kissel (Varietas nova
Aphanizomeni Elenkinii Kissel.). Bot.mat.Otd.spor.rast. 10:
21-23 Ja '55. (MIRA 8:?)

(Algae)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

LARINA, V.A.; GALAGANOVA, A.S.; KASHTANOVA, A.Z.

Brown coals of the Irkutsk Basin. Izv. Fiz.-khim. nauch.-issl.
inst. Irk. un. 4 no.2:31-41 '59. (MIRA 16:8)

(Irkutsk Basin—Coal—Analysis)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHTANOVA, A.Z.; TYURINA, L.S.

Semicoking of Cheremkhovo coals with the addition of pitch.
Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 4 no.2:93-96 '59.
(MIRA 16:8)
(Coal--Carbonization)

KASHTANOVA, A.Z.

Thermal decomposition of Cheremkhovo coals. Izv. Fiz.-khim.
nauch.-issl. inst. Irk. un. 4 no.2:97-101 '59. (MIRA 16:8)

(Irkutsk Basin--Coal) (Thermal analysis)

KASHTANOVA, A.Z.; SMIRNOVA, L.V.; NERED, A.G.; ALEKSEYEVA, A.M.

Distribution of nitrogen during the thermal decomposition of
Cheremkhovo coal and studies of nitrogen bases. Izv. Fiz.-khim.
nauch.-issl. inst. Irk. un. 4 no.2:103-108 '59. (MIRA 16:8)

(Coal tar--Analysis) (Nitrogen--Analysis)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

LARINA, V.A.; STRUGOV, A.S.; GALAGANOVA, A.S.; KASHTANOVA, A.Z.;
AZIMOVA, G.A.

Coals of the Kempendyay deposit, their composition and properties.
Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:6-12 '61.
(MIRA 16:8)
(Vilyuy Basin---Coal---Analysis)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

LARINA, V.A.; KASHTANOVA, A.Z.; BOCHAROVA, L.A.

Semicoking with catalytic cracking of humic coals of the Irkutsk Basin. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:61-68 '61.
(MIRA 16:8)
(Irkutsk Basin—Coal—Carbonization)
(Catalysis)

LARINA, V.A.; KASHTANOVA, A.Z.

Thermal decomposition of coals of the Irkutsk Basin jointly
with an organic substance added. Izv. Fiz.-khim. nauch.-issl.
inst. Irk. un. 5 no.1:186-192 '61. (MIRA 16:8)

(Irkutsk Basin—Coal) (Thermal analysis)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTANOVA, A.Z.

Thermal decomposition of coals of the Irkutsk Basin at low
temperatures. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5
no.1:171-185 '61.
(MIRA 16:8)

(Irkutsk Basin—Coal) (Thermal analysis)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTANOVA, A.Z.; LARINA, V.A.

Thermal decomposition of extracted coals of the Irkutsk Basin.
Izv. Fiz.-khim. nauch.-issl. Inst. Irk. un. 5 no.1:238-245 '61.
(MIRA 16:8)
(Irkutsk Basin—Coal) (Thermal analysis)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHTANOVA, M.G.

Role of enteric disease laboratories in discovering patients with
chronic dysentery; author's abstract. Zhur.mikrobiol.epid. i immun.
28 no.7:138-139 J1 '57. (MIRA 10:10)

1. Iz Moskovskogo instituta epidemiologii, mikrobiologii i gigiyeny
(DYSENTERY--DIAGNOSIS)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTANOVA, M. G., Cand Med Sci -- (diss) "Methods of prophylaxis of chronic dysentery in polyclinics." Moscow, 1960. 16 pp; (First Moscow Order of Lenin Medical Inst im I. M. Sechenov); number of copies not given; price not given; (KL, 24-60, 135)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHTANOVA, M.G.

Dispensary observation of acute dysentery convalescents. Zhur.mikro-
biol.epid.i immun. 31 no.1:84-88 Ja '60. (MIRA 13:5)

1. Iz Moskovskogo instituta epidemiologii, mikrobiologii i gigiyeny.
(DYSENTERY BACILLARY)

VYGODNER, Ye.B., kand.med.nauk; ANDREYEVA, Z.M., kand.med.nauk;
KASHTANOVA, M.G. (Moskva)

Etiology of chronic colitis. Klin.med. 38 no.12:95-100 D '60.
(MIRA 14:2)

1. Iz Gosudarstvennogo instituta kurortologii i fizioterapii
(dir. G.N. Pospelova) i Gosudarstvennogo instituta epidemiologii,
mikrobiologii i gigiyeny (dir. S.I. Didenko) Ministerstva
zdravookhraneniya RSFSR.

(COLITIS)

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"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTANOV, L.I.; KASHTANOVA, M.Ya.

Chemical composition of old Finnish nonferrous alloys. Trudy
Inst.ist.est.i tekhn. vol.6:209-213 '55. (MLRA 9:5)
(Finland--Antiquities)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHTANOVA, N.K.; YENTREGOVA, V.A.

Resin acids in the cleoresin of *Pinus sibirica* R. Mayr. Izv.
Sib. otd. AN SSSR no. 3:121-123 '62. (MIRA 17:7)

1. Khimiko-metallurgicheskiy Institut Sibirskogo otdeleniya
AN SSSR, Novosibirsk.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTANOVA, S.P.; TIMOFEEV, V.N.

Investigating the coefficients of hydraulic resistance in
checkers. Trudy Ural.politekh.inst. 73:182-187 '58.
(MIRA 12:8)
(Open-hearth furnaces) (Fluid mechanics)

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CIA-RDP86-00513R000721020012-6"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

TIMOFEEV, V. N.; SHKLYAR, F. R.; KASHTANOVA, S. P.; MALKIN, V. M.

Methods of calculating heat regenerators for industrial
furnaces. Sbor. nauch. trud. VNIIMT no.8:197-228 '62.
(MIRA 16:1)

(Heat regenerators)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

TIMOFEEV, V. N.; KASHTANOVA, S. P.

Technical and economic comparison of new types of checkerwork
for blast furnace air preheaters. Sbor. nauch. trud. VNIIMT
no.8:289-301 '62. (MIRA 16:1)

(Blast furnaces) (Air preheaters)

TIMOFEEV, V. N.; KASHTANOVA, S. P.; Prinimali uchastiye: KUZNETSOVA,
L. M., inzh.; GERASIMOV, G. I., laborant; CHERNIKOVA, P. I.,
laborant

Investigating coefficients of heat transfer by convection and
of the hydraulic resistance of new checkerwork shapes in blast
furnace air preheaters. Sbor. nauch. trud. VNIIIMT no. 8:68-105
'62. (MIRA 16:1)

(Blast furnaces) (Heat-Convection)
(Fluid mechanics)

KASHTANOVA, S. P.; TIMOFEEV, V. N.; KITAYEV, B. I.

Heat transfer coefficients from regenerative checkers. Sbor.
nauch. trud. VNIIMT no.8:373-390 '62. (MIRA 16:1)

(Heat regenerators)
(Heat—Convection)

~~KASHTANOVA, Z.N.~~
USSR/Cultivated Plants - Technical, Oil, and Sugar Plants.

M-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10923

Author : Kashtanova, Z.N.

Inst : -

Title : The Effectiveness of Granulated Superphosphate.

Orig Pub : Tr. po selektsii, agrotekhn, i zashchite rast. Ramonsk.
opyt.-selekt. st., 1956, 5, 129-133

Abstract : On the rich, averagely leached chernozem of the Ramonsk
Testing and Selection Station application of 60 kg./hectare of P₂O₅ in the form of granulated superphosphate in-
creased the sugar beet yield in 1951 by 26 centners/hec-
tare and in 1952 by 43 centners/hectare; powdered super-
phosphate gave, correspondingly, increases of 14 and 24
centners/hectare. The yields on an NK base were 349
centners/hectare in 1951 and 307 centners/hectare in 1952.

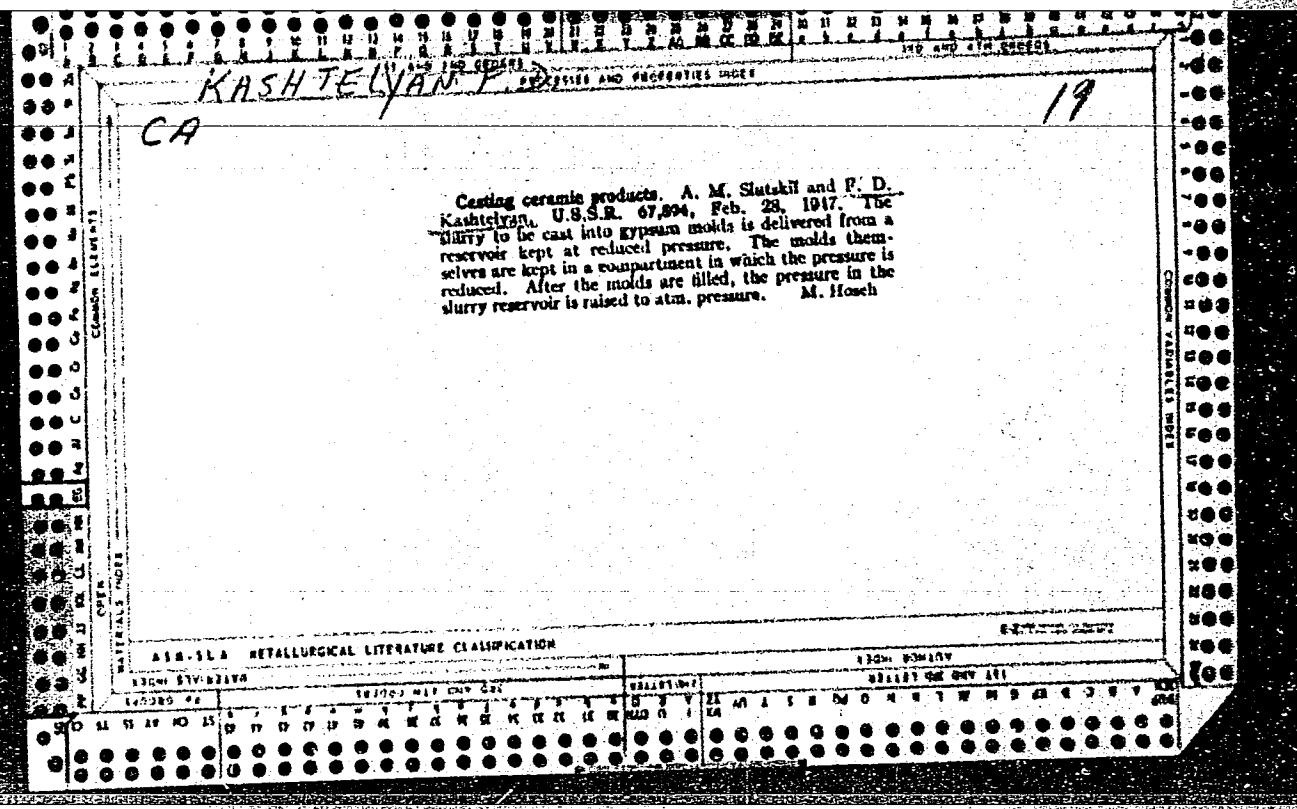
Card 1/1

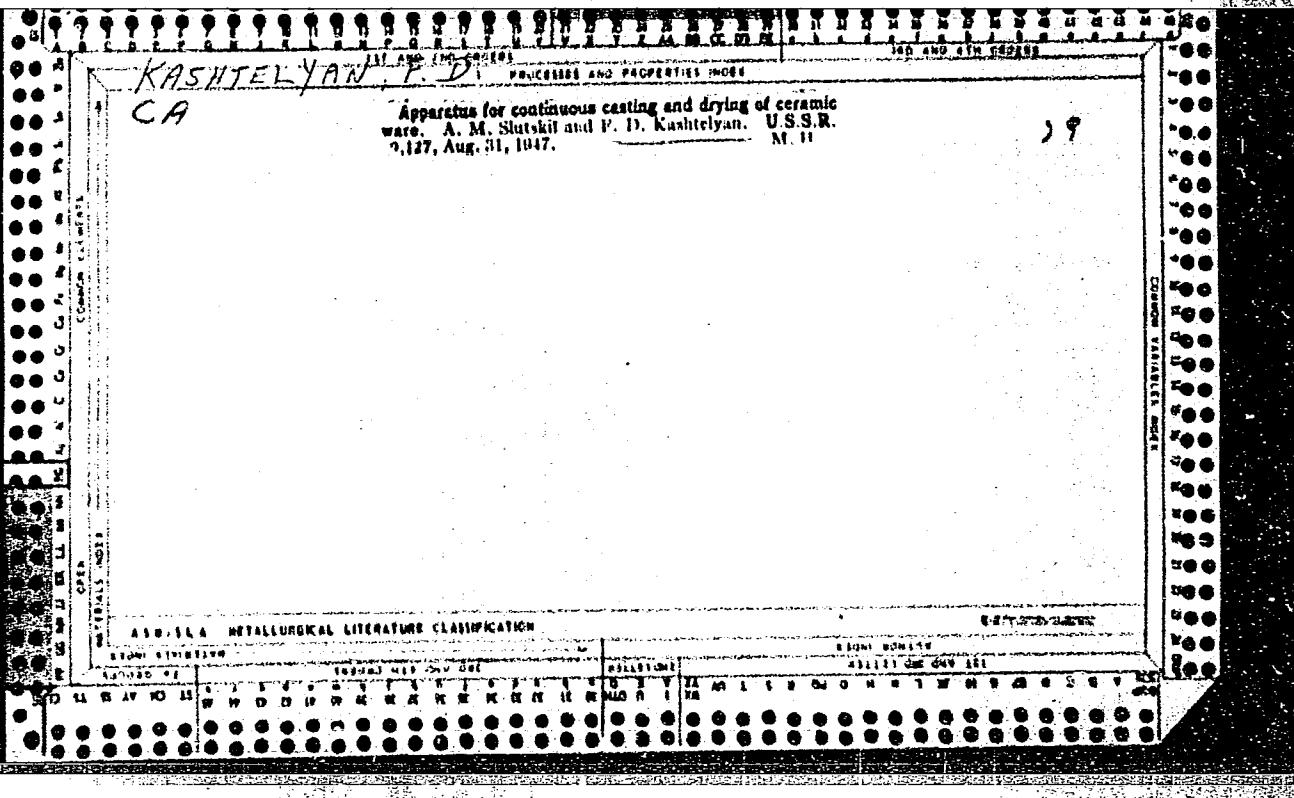
29

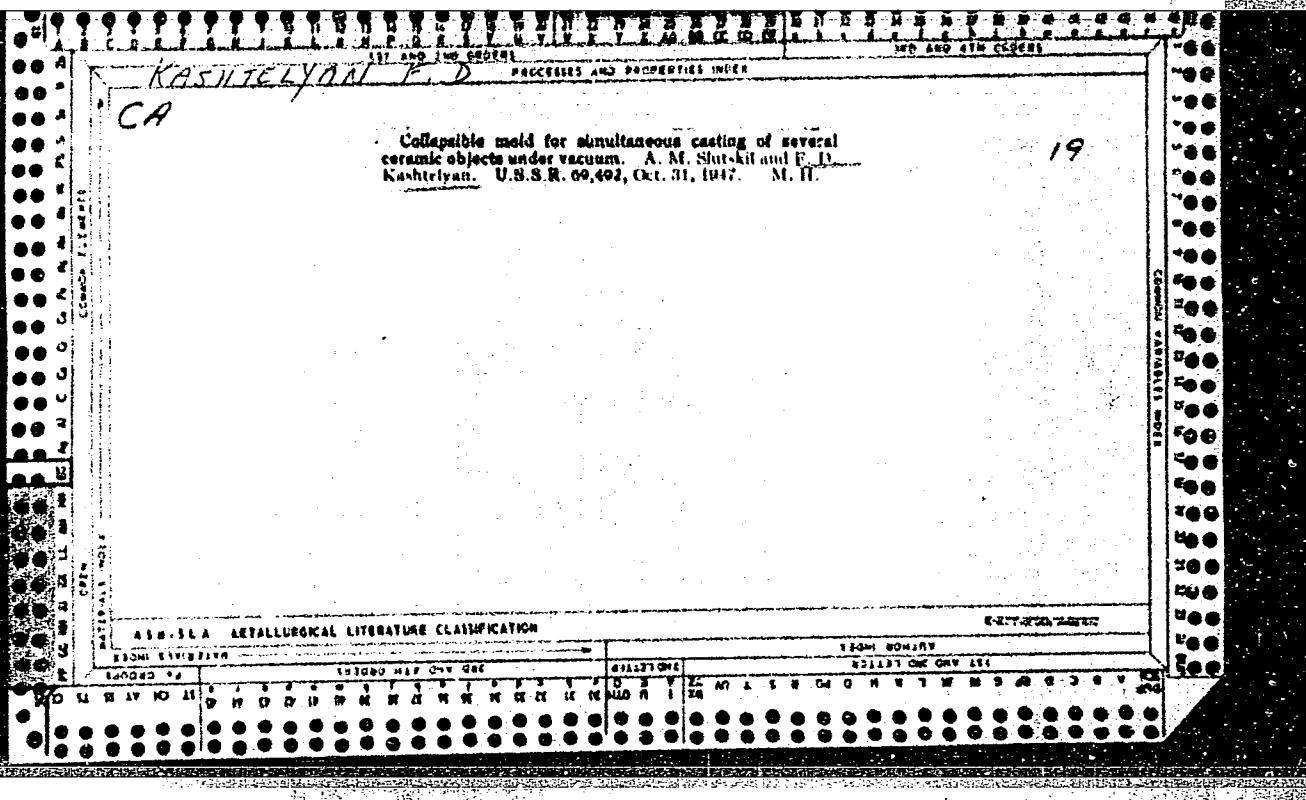
SHUBIN, I., (Sverdlovsk); LIFOROV, G., (Rostov-na-Donu); PARUSHAVICHUS, G.,
(Vil'nyus); GALKIN, M., (Alma-Ata); KASHTAN'YER, Al.; ANATOL'YEV, E.;
SERGEYEV, N.; VASIL'YEV, K.

News from everywhere. Sov.foto 21 no.3:44-46 Mr '61.
(MIRA 14:4)

1. Predsedatel' fotosektsii Soyuza zhurnalistov (for Galkin).
(Photography)







KASHTELYAN F.D.

77

CA

Conveyor assembly for the production of ceramic ob-
jects. A. M. Shitakii, P. D. Kashtelyan, and N. V.
Vashlyev. U.N.K.B. 66,689, Dec. 31, 1917. Structural
details are given.

KASHTELYAN F. D.

19

CA

Casting ceramics. A. M. Slutskil and F. D. Kashtelyan. U.S.S.R. 69,432, Dec. 31, 1947. After filling the mold, the excess slurry is removed to the slurry reservoir by creating a vacuum in the latter. M. Howch

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CIA-RDP86-00513R000721020012-6

KASHTELYAN, F.D.

Semiautomatic machinery for molding and drying porcelain cups.
Stek. i ker. 17 no.4:26-28 Ap '60. (MIRA 13:8)
(Porcelain) (Drying apparatus)

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CIA-RDP86-00513R000721020012-6"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTELYAN, F.D.

Mechanizing the casting of hollow porcelain products. Trudy
GIKI no.1:18-24 '60. (MIRA 16:1)
(Ceramics)

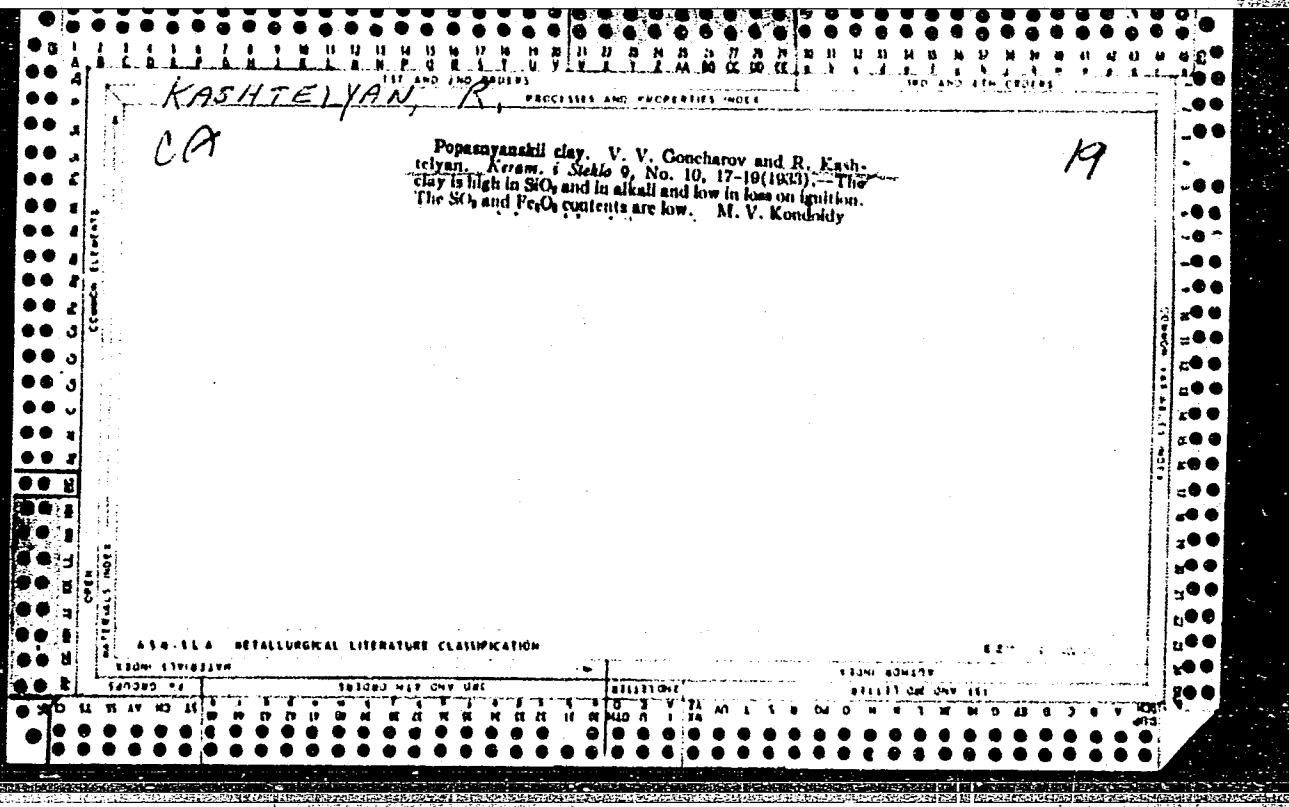
APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHTELYAN, G.Ye., inah.; GLEBOV, I.A., kand.tekhn.nauk; GERTSENBERG, G.
R., kand.tekhn.nauk

Effectiveness of the nigh-speed action of the excitation sys-
tems and conditions of automatic voltage regulation of large
turbogenerators. Elektrichestvo no.10:22-31 O '63.(MIRA 16:11)

1. Vsesoyuznyy elektrotekhnicheskiy institut (for Gertsenberg).



KASHTELYAN, S.F.
KASHTELYAN, S.F.

Some data on the course and treatment of wounds sepsis. Medych.
zhur. 17:277-284 '47. (MIRA 11:1)

1. Z khirurgichnogo viddilu (zav. - prof. Ya.I.Pivovons'kiy
[deceased]) Ukrains'kogo institutu klinichnoi meditsini (direktor
akad. M.D.Strazhesko)
(WOUNDS--TREATMENT)

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CIA-RDP86-00513R000721020012-6

KASHTALYAN, S.F.; TIDEL'S'KA, I.L.

Effect of onion phytoncides on the healing of infected wounds.
Medych.zhur. 17:301-307 '47. (MIRA 11:1)

1. Z Ukrains'kogo institutu klinichnoi meditsini (direktor -
akad. M.D.Strazhesko)
(PHYTONCIDES) (WOUNDS--TREATMENT)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHTELYAN, S.F.
KHATSKETCH, K.M.; KASHTELYAN, S.F.

Role of the cytogram of wounds exudate in wound sepsis. Medycn.
zhur. 17:317-322 '47. (MIRA 11:1)

1. Z Ukrains'kogo institutu klinichnoi meditsini (direktor -
akad. M.D.Strazhesko)
(WOUNDS) (CELLS)

KASHTANOVA, S. P.; TIMOFEEV, V. N.

Hydraulic characteristics of regenerative checkers. Sbor.
nauch. trud. VNIIMT no.8:391-395 '62. (MIRA 16:1)

(Heat regenerators) (Fluid mechanics)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTELYAN, V.I.

Approximate determination of forces destroying the ice cover. Probl.
Arkt.i Antarkt. no.5:31-37 '60. (MIRA 14:4)

(Ice)

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CIA-RDP86-00513R000721020012-6"

KASHTELYAN V. Ye., POZIN N.V., URUSOV I.D.

Electronic excitation regulator for synchronous generators
operating on long-distance transmission lines. Izv.AN SSSR.Otd.
tekhn.nauk no.12:14-29 D '56. (MLRA 10:1)
(Electronic instruments) (Electric generators)

KASHTELYAN, V. YE.

GLEBOV, I.A., kandidat tekhnicheskikh nauk; KASHTELYAN, V.Ye., inzhener.

On increasing the transient stability of long transmission systems
up to the steady state level. Elektrичество no.10:5-11 G '57.
(MLRA 10:9)

1. Institut elektromekhaniki Akademii nauk SSSR.
(Electric power distribution)

MR71447/V: YE

105-58-6-2/33

AUTHORS: Glebov, I.A., Candidate of the Technical Sciences
Kashtelyan, V.Ye., Engineer, Siryy, N.S., Engineer

TITLE: Electrical Braking of Synchronous Generators Connected
to Longdistance Transmission Lines (Elektricheskoye
tormozheniye sinkhronnykh generatorov, rabotayushchikh
na dal'niye linii elektroperedach)

PERIODICAL: Elektrichestvo, 1958, Nr 6, pp. 7-10 (USSR)

ABSTRACT: In this paper the results of the investigation of the
electrodynamic model of a trunk line of the type water-
power plant Kuybyshev-Moscow, are shown. The model
generator had a rapidly effective excitation system and a
powerful regulator. It was possible to connect the load
resistances with the types of the generator as well as
with the high-voltage lines. In order to be able to
regulate the connecting and disconnecting of these
resistances a special wiring diagram has been constructed.
It could operate depending on time as well as depending

Card 1/3

105-58-6-2/33

Electrical Braking of Synchronous Generators Connected to Longdistance Transmission Lines

on the slip. In this case above all the electrical braking was investigated for the case of a shortest lagging time for the connecting of loading resistances in the existence of an automatic excitation control with small degree ($k = 1,5$). It is shown that a proper selection of the moments of connecting and disconnecting (of the loading resistances) guarantees a higher effectiveness of the electrical braking, even in the case of unknown amount of resistances and small degree of excitation. Such a control mechanism for connecting and disconnecting of the loading resistances can be realized according to the rotor-slip of the synchronous generators, the size of which is determined by the character of the emergency conditions. The connecting takes place at a certain slip-value and the disconnecting in the case of a slip equal to zero, which corresponds to the moment when the rotor reaches the first maximal deviation. The following conclusions are drawn, based upon the investigation. 1) The electrical braking is most effective in combination with an automatic

Card 2/3

Electrical Braking of Synchronous Generators
Connected to Longdistance Transmission Lines

105-58-6-2/33

control of the excitation. No considerable degree of excitation is needed for the increase of the dynamic stability of distant transmission up to the level of static stability. The automatic excitation-control consists in this case essentially in securing the static stability.

2.) The regulation-machanism proposed in this case, in connecting and disconnecting of the load resistances allows load resistances of constant power and thus guarantees the increase of the dynamic stability up to the level of static stability. 3.)

Taking into consideration that the application of both the electrical and mechanical braking of synchronous motors consists in the uptake of the surplus output of their rotors in the case of emergency condition, the consequences mentioned here also essentially apply to mechanical braking. There are 6 figures and 7 references, 4 of which are Soviet.

Card 3/3

ASSOCIATION: Institut elektromekhaniki Akademii nauk SSSR
(Institute for Electromechanics of the AS USSR)

SUBMITTED: July 18, 1957
1. Power plants--Equipment 2. Generators--Control systems
3. Generators--Wiring diagrams

BOBROV, V.M.; VORONOV, A.A.; GLEBOV, I.A.; IVANOV, V.I.; KARPOV, G.V.;
KASHTELYAN, V.Ye.; SEMENOV, V.V.; SIROTKO, V.K.; SIRIY, N.S.;
SUKHANOV, L.A.; URUSOV, I.D.; FETISOV, V.V.; FOMINA, Ye.N.;
KOSTENKO, M.P., akademik, red.; DOLMATOV, P.S., red.izd-va;
SMIRNOVA, A.V., tekhn.red.

[Electrodynamic modeling of power engineering systems] Elektro-
dinamicheskoe modelirovanie energeticheskikh sistem. Pod red.
M.P.Kostenko. Moskva, 1959. 406 p. (MIRA 13:2)

1. Akademiya nauk SSSR. Institut elektromekhaniki.
(Electric networks--Electromechanical analogies)

KASHILEVAN, V. Z.

report to be presented at the 1st Int'l Congress of the Uni Federation of Automatic Control, 23 Jun-5 Jul 1960, Moscow, USSR.

- MEDVEDEV, M. L. - "Ultra stability in electronic calculating devices in the solution of nonlinear equations in interval form"
- CHERNOVICH, A. B. - "Use of calculating devices in systems for the automatic control of rolling mills"
- CHERNOVICH, V. K. - "Concerning some problems of the organization of self-adjusting and self-teaching systems of automatic control, based on principles of random search"
- DANILOV, N. I. - "Development of automatic control systems for boiler units"
- DUMINOV, Ye. G. - "Organization of optimum adjustments of industrial automatic regulation systems according to initial data obtained from operating experience"
- DURTY, A. F., and PONOMARENKO, R. N. - "Methods of organizing Lyapunov functions in the theory of nonlinear regulation and inter-communications of balanced regulation and inter-communications of automatic rolling mill"
- DUMINOV, N. I. - "Balanced regulation and technology in continuous rolling mill"
- FEDEMOV, A. Yu. - "Problems of statistical theory of automatic organization systems according to a reversible cold rolling mill for nonferrous metals"
- FILIPPOV, A. F. - "Application of the theory of differential equations with a discontinuous right side to nonlinear problems of automatic regulation"
- GAVRILOV, M. A. - "Structural synthesis and operational reliability of relay devices"
- GARSHEN, M. Z. - "Automation of irrigation systems"
- GRACHEV, O. B., KISCHEROV, V. P., KRESTENOV, M. P., NEZAM, I. B., and STREY, N. D. - "Power regulation of disturbance and problems of the stability of electric power systems"
- GRISHKOV, S. A. - "Methodical method of synthesis of functional converters"
- GRISHKOV, S. A. - "Methods of transmission of information and the structure of dispersed structures for dispersed structures"
- IL'IN, V. A. - "Cal-mechanical systems for telephone (tau) - "The code-signalise system of telephone (tau) and telephone (tau) - "The code-signals of trunk-line gas pipe lines"
- KALINOVICH, A. I. - "Some problems of the application of the theory of combined regulation systems for distributed regulation systems"
- KARABYAN, E. B., and SARKISYAN, G. A. - "Quasi-equilibrated bridge as an element in a means of automatic control"
- KARABYAN, V. V. - "Concerning the process of coarse regulation of inert objects in the presence of disturbance"
- KATANOV, V. K. - "Some problems of the theory of statistical linearization and its applications to the application of the theory of impulse systems with time-selectors"
- KERZHNIKOV, A. N., BULGAKOV, D. M., TURPE, D. M., VORONOVICH, V. M., and VORONOVICH, D. M. - "Investigation of the dynamics of the hydraulic conduct of a coupling lattice"
- KOBASOV, A. A. - "Dynamics of continuous systems of automatic regulation with optimal self-adjustment of corrective devices"
- KOBASOV, A. A. - "Concerning the selection of parameters of optimum reliability systems"
- KOBASOV, A. A. - "Some dynamics of devices initiating living organisms"
- KOBASOV, A. A. - "The inverse theory of automatic regulation and control systems"
- KOBASOV, A. A. - "Optimal regulation devices as a means of insuring the reliability of complex automation systems"
- KOBASOV, V. M., and PUDINSKII, A. P. - "Mechanization of processes of analysis and synthesis of the structure of relay devices"

KASHTELYAN, V. YE.

Сборник работ по вопросам электромеханики, вып. 3: энергетические системы, электромашиностроение, электрическая тяга, автоматизированный электропривод, автоматические и телемеханические системы, электросварочное оборудование
Moscow, Izd-vo AN SSSR, 1960, 314p.
publ. from Inst. elektromekhaniki, Akad. nauk

CN 7//172

Glebov, I.A. Operation of the Electronic Self-Excitation System of a Synchronous Generator in the Presence of Asymmetrical Faults [Short Circuits] 3

The author deals with single-and two-phase short circuits and two-phase shorts; he describes experimental testing of voltage balancing, the operation of an electronic converter under asymmetrical voltage conditions, and the special design features of a synchronous generator with electronic self-excitation for both steady and transient conditions.

Glebov, I.A., V.Ye. Kashtelyan, and N.S. Siryy. Improving the Dynamic Stability of Long-Range Electric Transmission by Means of Electric Braking of Synchronous Generators 15

The author describes tests on electric braking of synchronous generators using a model of the Volzhskaya GES-Moscow transmission line. They conclude that electrical braking is most efficient when combined with automatic control of the excitation.

Card 2/13

KASHTELYAN, V. YE.

PAGE I LOOK FORWARD

30/4/2014

Abendmahl nach Jesu. 15

E. A. SAWYER

PURPOSE: This collection of works is intended for specialists in organic mechanics.

COMBINE: This collection constitutes 20 works covering 1) Power Generation, 2) Electric Drive and Electrical Protection; 3) Automated Electric Machines; 4) Power and Current Regulation and Instruments. No personalities

Bentlerich, Dr. E. Computation of Leakage From the Pipe of the Test
are national. References accompany nine of

SUBDIVISIONS IN THE SPECIAL FEATURES OF COMPOSITION OF INDIA'S BIRD CHARACTERISTICS

Bertram, V. E., and G. M. Shultz. Computation of short-circuit currents in standard transformer banks. 43

BRADLEY, V. R., and T. S. SLY. Problems of Electric Radiation or X-Rays.
See Report

BREVET. U. S. Improvement in Accuracy of the Experiments on Losses in Synchronous Machines.

Barberly, W. G. Problems of Manufacturing an Induction Furnace
Reactor Made of Electropure Steel.

GENERAL INFORMATION **REGARDING THE**
TRANSMISSION WITH A COMPENSATOR GENERATOR

Bernard, P. A., and B. V. Brinkley. Electromagnetic Converter of Single-Phase Three-Phase Current, at Variable Frequency.

W. H. BREWER *Derivation of Flux Density in the Air Gap of Multistage Magnetic Field Weakening Amplifiers*

Technological Soc., General Rules and Methods of Investigation Study
and Transition Conditions in a Circuit of Single-phase Mercury-vapor Rectifiers

PLATE 10. ELECTRIC MUSCLES.

Causes of Breakage or Bursting of Teflon Tubes

Electric Locomotives and Electric-Motor-Car Trials

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

GLEBOV, I.A. (Leningrad); KASHTELYAN, V.Ye. (Leningrad); SIHYY, N.S.
(Leningrad)

Effect of hydrogenerator parameters on the stability of long-distance electric transmission. Izv.AN SSSR. Otd.tekh.nauk.
Energ. i avtom. no.5:3-14 S-0 '60. (MIRA 13:11)
(Hydroelectric power stations) (Electric power transmission)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

GERTSENBERG, G.R.; GLINTERNIK, S.R.; KASHTELYAN, V.Ye.; KICHAYEV, V.V.;
NOVITSKIY, V.G.; SIRYY, N.S.

Study of the parallel operation of electric current generators
feeding two electric power systems via a.c. and d.c. power
transmission lines. Sbor. rab. po vop. elektromekh. no.6:17-36
'61. (MIRA 14:9)
(Electric power distribution) (Electric generators)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHTELYAN, V.Ye.; SIRYY, N.S.

Study of the mutual vibrations of synchronous generators in parallel
operation. Sbor. rab. po vop. elektromekh. no.6:69-84 '61.
(MIRA 14:9)
(Electric generators) (Electric power distribution)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTELYAN, V.Ye.

Concerning the precision of results obtained by electrodynamic
simulation of electric power systems. Sbor. rab. po vop. elektro-
mekh. no.6:104-115 '61. (MIRA 14:9)
(Electric network analyzers)
(Electric power distribution--Models)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

BOBROV, V.M., inzh.; GLEBOV, I.A., kand.tekhn.nauk; KASHTELYAN, V.Ye.,
inzh.; SIRYY, N.S., inzh.; GERTSEMBERG, G.R., kand.tekhn.nauk

Effect of excitation systems on the stability of the parallel
operation of large turbogenerators. Elektrichestvo no.7:7-13
Jl '61. (MIRA 14:9)

1. Institut elektromekhaniki AN SSSR (for Bobrov, Glebov,
Kashtelyan, Siryy). 2. Vsesoyuznyy elekrotekhnicheskiy
institut (for Gertsenberg).
(Turbogenerators)

GLEBOV, I.A., kand.tekhn.nauk; KASHTELYAN, V.Ye., inzh.; SHTRAFUN, Ya.N.,
kand.tekhn.nauk

Study of an ionic-semiconductor excitation system of large
turbogenerators. Elektrichestvo no.5:7-14 My '62. (MIRA 15:5)

1. Leningradskiy filial Vsescyuznogo nauchno-issledovatel'skogo
instituta elektromekhaniki (for Shtrafun).
(Turbogenerators)

KOSTENKO, M.P., akademik; NEYMAN, L.R.; GLINTERNIK, S.R., kand.tekhn.
nauk; KASHTELYAN, V.Ye., inzh.; NOVITSKIY, V.G., inzh.; SIRYY,
N.S., inzh.; GERTSENBERG, G.R., kand.tekhn.nauk

Automatic control and stability during parallel operation of
the generators of an electric power plant feeding a.c. and d.c.
power transmission lines. Elektrichestvo no.10:1-9 0 '62.

(MIRA 15:12)

1. Institut elektromekhaniki AN SSSR (for Kostenko, Neyman,
Glinternik, Kashtelyan, Novitskiy, Siryy). 2. Vsesoyuznyy
elektrotekhnicheskiy institut (for Gertsenberg). 3. Chlen-
korrespondent AN SSSR (for Neyman).

(Electric power distribution)

KASHTELYAN, V. Ye.

Study of the stability of the parallel operation of new types of
turbogenerators. Sbor.rab.po vop.elektromekh.no.8:118-134 '63.
(MIRA 16:5)
(Turbogenerators) (Electric power distribution)

GLEBOV, I.A.; KASHTELYAN, V.Ye.; NOVITSKIY, V.G.; SIDEL'NIKOV, V.V.;
SIROTKO, V.K.; MEL'NIKOV, N.A.; LUGINSKIY, Ya.N.; STERNINSON,
L.D.; YUREVICH, Ye.I.; TSUKERNIK, L.V.

Scientific problems in the field of automatic control and regulation of large electric power systems and their elements.
Sbor. rab. po vop. elektromekh. no.10:23-40 '63.

(MIRA 17:8)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTELYAN, V.Ye.; SIRYY, N.S.

Study of the parallel operation of long-distance power transmission lines with a common receiving system. Sbor. rab. po vop. elektromekh. no.10:137-145 '63. (MIRA 17:8)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTELYAN, V.Ye.; GLEBOV, I.A.; SNITKO, L.P.; GERTSENBERG, G.R.

Effect of the parameters of excitation systems on the static
and dynamic stability of turbogenerators with forced cooling.
Sbor. rab. po vop. elektromekh. no.10:153-167 '63.
(MIRA 17:8)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHTELYAN, V.Ye.; GLEBOV, I.A.

Modeling of the damping action of the rotor mass of a turbo-generator. Sbor. rab. po vop. elektromekh. no.10:175-186 '63.
(MIRA 17:8)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

GLEBOV, I.A., kand. tekhn. nauk; KASHTELYAN, V.Ye., inzh.

Excitation systems of large present-day turbogenerators.
Elek. sta. 35 no.3:74-76 Mr '64. (MIRA 17:6)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHTELYAN, V.Ye., inzh.; YUREVICH, Ye.I., kand. tekhn. nauk; GERTSENBERG,
G.R., kand. tekhn. nauk

High-speed regulation of steam turbines improves power system
stability. Elektrichestvo no.4:1-8 Ap '65. (MIRA 18:5)

1. Institut elektromekhaniki, Leningrad (for Kashtelyan).
2. Leningradskiy politekhnicheskiy institut (for Yurevich).
3. Vsesoyuznyy elektrotekhnicheskiy institut (for Gertsenberg).

KASHTYAK, V.

CZECHOSLOVAKIA/Zooparasitology | General Problems.

G-1

Abs Jour : Ref Zbir - Biol., No 8, 1958, 24307 CIA-RDP86-00513R000721020012-6

Author : Kashtyak, V.

Inst : -

Title : A Study of Parasitofauna of Fish in Inundated Territory in
the Senne Locality.

Orig Pub : Veterin. casop., 1957, 6, No 2, 105-110

Abstract : Data on parasitofauna of 11 fish species, and the list of
parasites (29 species) by their hosts.

Card 1/1

KASHTYAK, VENDEK, N.

CZECHOSLOVAKIA/Zooparasitology - Parasitic Worms.

G-2

KASHTYLYANOV, G.Ye., kapitan 3 ranga

Conducting shipboard battle exercises on a submarine.
Mor. sbor. 48 no.2:46-48 F '65. (MIRA 18:11)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

ALEKSEYTSEV, I.; ZHOKHOV, V.; KASHUBA, A.; KARAVAYEV, G.; GORBAN', L.

Information received from our readers. Pozh.delo 8 no.1:29 Ja
'62. (MIRA 15:1)
(Fire prevention)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHUBA, A. A.

15-57-4-4104

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
p 7 (USSR)

AUTHOR: Kashuba, A. A.

TITLE: The Devonian at the Northwestern Extremity of the Dnepr-
Donets Basin (O devone severo-zapadnoy okonechnosti
Dneprovsko-Donetskoy vpadiny)

PERIODICAL: Uch. zap. Belorus. un-t, 1956, Nr 28, pp 79-85

ABSTRACT: The Devonian deposits rest on variegated sandstones of
Lower Cambrian age and are overlain by thin formations
of Mesozoic rocks (Slutsk, Starobin, and adjoining
regions of the Pripyat' depression). The author dis-
tinguishes the Middle Devonian (Givetian stage), which
is divided, similarly to the section of the principal
Devonian field, into the Narva (60 m to 80 m) and the
Luga (about 200 m) formations, and the Upper Devonian
(Frasnian and Famennian stages), which include three
sequences: 1) argillaceous, correlative of the lower
sequences: 1) argillaceous, correlative of the lower
Shchigry beds of the central Devonian field and of the

Card 1/2

KASHUBA, B.P., GERSHOUG, Ye. L.

Diesel motor

Improvement in the design of crankshaft for diesel of tractor DT-54. Avt. trakt. prom. No.2
1952

9. Monthly List of Russian Accessions, Library of Congress, June 1952, Uncl.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

KASHUB, B.P., redaktor

[Tractor DT-54; a operating guide] Traktor DT-54; rukovodstvo po
ekspluatatsii. Izd. 3., perer. i dop. Moskva, Mashgiz, 1955. 231 p.
(Tractors) (MLRA 9:9)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHUBA, B.P.; LEVITANUS, A.D.

~~SECRET~~
Diesel engine for the KHTZ-7 tractor. Avt. trakt. prom.
no. 5:3-6 My '55. (MLRA 8:9)

1. Khar'kovskiy traktornyy zavod.
(Tractors--Engines)

KASHUBA, B.P.; GRODZIYEVSKIY, V.I.

Reactive centrifugal oil cleaner for the D-54 engine. Avt. i trakt.
(MILRA 9:1)
prom. no.10:3-5 0 '55.

1.Khar'kovskiy traktornyy zavod.
(Tractors--Engines--Oil filters)

KASHUBA, B.P., inzhener, redaktor; MARTENS, S.L., inzhener, redaktor
izdatel'stva; UVAROVA, A.P., tekhnicheskiy redaktor.

[Catalog of parts DT54 tractor] Katalog detalei traktora DT54.
Izd.2-oe, ispr. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
(MLRA 10:6)
lit-ry, 1957. 230 p.

1. Russia(1923- U.S.S.R.) Ministerstvo traktornogo i sel'sko-
khozyaystvennogo mashinostroyeniya. 2. Glavnyy konstruktor Khar'-
kovskogo traktornogo zavoda imeni S.Ordzhonikidze (for Kashuba).
(Tractors)

KASHUBIN, B.M.

25(2)

PHASE I BOOK EXPLOITATION

SOV/1636

Novyye mashiny; sbornik statey o novykh mashinakh, motorakh,
apparatakh sozdannykh na Khar'kovskikh predpriyatiyakh v period
1956-1958 gg. (New Machines; Collection of Articles on New
Machines, Motors, and Apparatus Made in Khar'kov Plants From
1956 to 1958) /Khar'kov/ Khar'kovskoye oblastnoye izd-vo, 1958.
226 p. 4,000 copies printed.

Compiler: P.I. Zmaga; Scientific Eds.: V.A. Bulgakov (Chief Enggineer,
Khar'kov Electromechanical Plant), S.A. Vorob'yev (Candidate of
Technical Sciences, Docent), L.A. Shubenko-Shubin (Chief Machine
Designer, Khar'kov Turbine Plant, and Corresponding Member,
Ukrainian SSR Academy of Sciences); Ed.: Ya.Ye. Donskoy; Tech.
Ed.: M.G. Shevchenko.

PURPOSE: This collection of articles is to acquaint the reader with
the latest developments and attainments of the Khar'kov machinery
manufacturing industry during the 1956-58 period.

Card 1/6

New Machines; Collection of Articles (Cont.)

SOV/1636

COVERAGE: The book, prepared in the form of a descriptive catalog, presents the latest information on machinery and equipment manufactured by Khar'kov plants from 1956-58. A detailed description is given of the following machines and equipment: steam turbines, tractors, self-propelled chassis, diesel engines, diesel locomotives, machine tools including unit metal-cutting machine tools, conveyors, road building machinery, electric power generators, and electrical and electronic instruments. Numerous photographs of the above-listed machinery and equipment are included in the text. No personalities are mentioned. There are no references.

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Card 2/6

New Machines; Collection of Articles (Cont.)

SOV/1636

MACHINES AND MACHINE TOOLS

Shubenko-Shubin, L.A., Chief Designer at the Khar'kov Turbine Plant imeni Kirov, Corresponding Member of the Academy of Sciences of the UkrSSR. New Powerful Steam Turbines Manufactured by the Khar'kov Turbine Plant imeni Kirov	25
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Kirnarskiy, A.A., Chief Designer of the Khar'kov Plant for Transport Machinery imeni Malyshev. New Types of Internal Combustion Locomotives	64

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New Machines; Collection of Articles (Cont.)	SOV/1636
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Card 4/6

New Machines; Collection of Articles (Cont.)

SOV/1636

Zavorotniy, I.P., Chief Designer of the Khar'kov Plant for
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ELECTRICAL MACHINES AND APPRARATUS

Borushko, V.S., Chief Engineer of the Khar'kov Plant for
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Fomenko, S.A., Director of the Khar'kov Electrical Engineering
Plant. Basic Problems in Development of Electrical Machinery
and Instrument Manufacture at the KhEMZ (Khar'kovskiy elektro-
mekhanicheskiy zavod -- Khar'kov Electromechanical Plant) 175

Gladkikh, A.I., Director of the Khar'kov Electrical Engineering
Plant. Let Us Increase the Output of Electric Motors and
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Card 5/6

New Machines; Collection of Articles (Cont.)	SOV/1636
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AVAILABLE: Library of Congress

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6-26-59

VEYKHMAN, Kh.A., inzh.; SEPITYY, V.T., inzh.; RYSTENKO, G.A., inzh.;
NAVARENKO, V.S., inzh.; KASHUB, B.P., glavnny konstruktor, red.;
IEGORKINA, L.I., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[The DT-54A tractor; operation manual] Traktor DT-54A; rukovod-
stvo po ekspluatatsii. Pod red. B.P.Kashuba. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostr.lit-ry, 1959. 318 p.

(MIRA 12.10)

1. Khar'kovskiy traktorosborochnyy zavod. 2. Khar'kovskiy
traktorosborochnyy zavod (for Veykhman, Sepityy, Rystenko, Nava-
renko, Kashub).

(Tractors)

VATULYA, N.N.; NAVARENKO, V.S.; SEPITYY, V.T.; SEREDIN, Ye.G.; KASHUBA,
B.P., red.; SOKOLOVA, T.F., tekhn.red.

[Catalog of spare parts for the DT-54A and DT-55A tractors]
Katalog zapasnykh chastei traktorov DT-54A i DT-55A. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 342 p.
(MIRA 13:3)

1. Khar'kovskiy traktorosborochnyy zavod. 2. Otdel glavnogo
konstruktora Khar'kovskogo traktornogo zavoda (KhTZ) (for Vatulya,
Navarenko, Sepityy, Seredin). 3. Glavnyy konstruktor Khar'kovskogo
traktornogo zavoda imeni Sergo Ordzhonikidze (for Kashuba).
(Tractors--Catalogs)

VATULYA, N.N.; NAVARENKO, V.S.; SEPITYY, V.T.; SEREDIN, Ye.G.; KASHUBA,
B.P., glavnnyy konstruktor; UVAROVA, A.F., tekhn.red.

[Catalog of parts of DT-14, DT-14A, and DT-14B tractors] Katalog
detalei traktorov DT-14, DT-14A, DT-14B. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1959. 185 p. (MIRA 12:9)

1. Khar'kovskiy traktorosborochnyy zavod. 2. Rabotniki Otdela
glavnogo konstruktora Khar'kovskogo traktorosborochnogo zavoda
(for Vatulya, Navarenko, Sepityy, Seredin). 3. Khar'kovskiy
traktorosborochnyy zavod (for Kashuba).
(Tractors—Catalogs)

VATULYA, N.N.; NAVARENKO, V.S.; SEPITYY, V.T.; KASHUB, B.P., red.;
KASPEROVICH, N.S., red.izd-va; UVAROVA, A.F., tekhn.red.

[Catalog of spare parts of the DT-20 tractor] Katalog
zaspynykh chastei traktora DT-20. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit.lit-ry, 1959. 190 p. (MIRA 13:2)

1. Khar'kovskiy traktorosborochnyy zavod. 2. Otdel glavnogo
konstruktora Khar'kovskogo traktornogo zavoda (for Vatulya,
Navarenko, Sepityy). 3. Glavnyy konstruktor Khar'kovskogo
traktornogo zavoda (for Kashub).
(Tractors--Catalogs)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6

CHUBA, B.E., inzh.; ANILOVICH, V.Y., inzh.

Prospective tractor types for the over-all mechanization of agriculture.
culture. Trakt. i sel'khozrash. no.7:9-11 Jl. '59. (NIKA 12:11)

I. Khar'kov'skiy traktornyy zavod.
(Tractors)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020012-6"

KASHUBA, B.P.

Introduce advanced practices on collective farms. Mekh.sil'hoesp.
10 no.1:2-3 Ja '59. (MIRA 12:4)

1. Glavnnyy konstruktor Khar'kovskogo traktornogo zavoda im.
S. Ordzhonikidze. (Tractors)

KASHUBA, L.

PHASE I UCON EXPICITATION

SOV/5233

Rusino-tehnicheskaya konferentsiya po razvitiyu proizvodstva v Khar'kovskom ekonomicheskogo administrativnogo rejonu, 1958.

Voprosy ekonomicheskogo i tekhnicheskogo konferentsii... (Problems of Machine Building). (Problems of Machine Building). Conference on the Development of Productive Forces of the Khar'kov Economic Administrative Region) no. 3. Kiev, 1958. In: UkrSSR, 1960. 182 p. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Sovet po izucheniyu proizvodstva - bykh sib UkrSSR.

Editorial Board: Resp. Ed.: A.A. Vasilenko, Academician of the Academy of Sciences of UkrSSR; A.A. Gorskoy, Corresponding Member, Academy of Sciences of UkrSSR; I.M. Poniatov, Doctor of Technical Sciences; S.M. Kuznetsova; A.I. Adzkenko, Candidate of Technical Sciences; G.M. Davydov, Candidate of Technical Sciences; Ed. of Publishing House: S.D. Lepikhin, Tech. Ed.: R.A. Bandy.

PURPOSE: This collection of articles is intended for scientific personnel, engineers, technicians, economists, workers, and planning organizations.

CONTENTS: The articles deal with problems in technology and techniques in the manufacture of engines, hydraulic turbines, diesel locomotives, tractors, combines, electrical machinery, etc. Considerable attention is given to the following: the development of various types of equipment used for automation in the coal industry; equipment development for the production and use of rectifiers; the development of new accessories for measuring and controlling heat-engineering parameters; and the introduction of advanced methods into foundry and die casting. No personalities are mentioned. References account for some of the articles. There are 20 references, 16 Soviet, 2 German, 1 French, and 1 English.

Chagolov, F.M. [Doctor of Technical Sciences at Khar'kov Polytechnical Institute]. "The Present State of and Outlook for the Development of Engine Building". 44

Ioval, I.A. [Chief Designer at the OSKBD (Gosudarstvennoye Spetsial'nnoye Konstruktorskoye Byuro Dvigatelya - State Special Engine-Design Bureau) in the "Serp i Molot" Plant. Work Done by the "Serp i Molot" Plant in Khar'kov and by its GSPN in the Design of New Tractor and Combine Engines]. 61

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SERIKOV, I.A.,inzh.; KASHUBA, B.P.,inzh.; OGIY, G.Ye.,inzh.; ZELIKOVSKIY, L.M.,
inzh.; KUT'KOV, G.M.,inzh.

New T-75 KhTZ tractor for work at increased speeds. Trakt. i
sel'khozmash. 30 no.6:5-9 Je '60. (MIRA 13:11)

1. Khar'kovskiy traktornyy zavod.
(Tractors)

KASHUB, B.P., red.; VASIL'YEVA, I.A., red. izd-va; UVAROVA, A.F., tekhn.
red.

[The T-75 tractor; operating manual] Traktor T-75; rukovodstvo po
eksploatatsii. Pod red. B.P.Kashuba. Moskva, Gos. nauchno-
tekhn. izd-vo mashinostroit. lit-ry, 1960. 374 p. (MIRA 14:6)

1. Khar'kovskiy traktornyy zavod. 2. Glavnnyy konstruktor Khar'kov-
skogo traktornogo zavoda (for Kashub)
(Tractors)

KASHUBA, B.P.

The new tractors of the Kharkov Tractor Plant. Nauka i
zhyttia 10 no.9:13-17 S '60. (MIRA 13:9)

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imeni S. Ordzhonikidze.
(Kharkov---Tractors)

KASHUBA, B.P., inzh., red.; KASPEROVICH, N.S., red. izd-va; SOKOLOVA,
tekhn. red.

[Catalog of parts for the T-75 tractor] Katalog detalei traktora
T-75. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry,
1961. 325 p. (MIRA 15:2)

1. Khar'kovskiy traktornyj zavod, Kharkov.
(Tractors)

KASHUBA, B.P.; DONDE, V.N.; ZELIKOVSKIY, L.M.; KARMAZIN, E.I.;
KUT'KOV, G.M.; LINCHEVSKIY, V.V.; OGIV, G.Ye.; SEPITYYY,
V.T.; SKVORTSOV, V.F.; BANNIKOV, S.A., red.; PESTRYAKOV,
A.I., red.; BALIJD, A.I., tekhn. red.; GUREVICH, M.M.,
tekhn. red.

[The T-75 tractor; design and operation] Traktor T-75;
ustroistvo i ekspluatatsiya. Moskva, Izd-vo sel'khoz. lit-
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KASHUBA, B.P.; ANILOVICH, V.Ya., kand. tekhn. nauk

Vibration insulation of the SMD-14A engine during mounting on
the T-74 tractor. Trakt. i sel'khozmash. 33 no.6:5-9 Je 163.
(MIRA 16:7)

1. Glavnnyy konstruktor Khar'kovskogo traktornogo zavoda (for
Kashuba).

(Tractors—Engines) (Engines—Vibration)

KASHUBA, B.P., red.; KOVAL', I.A., red.; KASPEROVICH, N.S., inzh.,
red.izd-va; EL'KIND, V.D., tekhn. red.

[Catalog of parts for the T-74 tractor] Katalog detalei
traktora T-74. Moskva, Mashgiz, 1963. 166 p.

(MIRA 16:12)

1. Kharkivs'kyi traktornyi zavod.
(Tractors—Catalogs)

KASHUBA, B.P.; KOVAL', I.A.; VAKHTEL', V.Yu.; DONDE, V.N.;
YEREMENKO, B.S.; ZELIKOVSKIY, L.M.; KARMAZIN, E.I.;
LINCHEVSKIY, V.V.; OGIY, G.Ye.; SEPITYY, V.T.;
PESTRYAKOV, A.I., red.

[The T-74 tractor; its design, operation and maintenance]
Traktor T-74; konstruktsiya, ekspluatatsiya, ukhod. Mo-
skva, Kolos, 1964. 204 p. (MIRA 18:4)

L-44039-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD/HW
ACC NR: AP6032231 SOURCE CODE: UR/0367/66/003/005/0842/0848

AUTHOR: Kashuba, I. Ye.; Kozin, B. G.; Pasechnik, M. V.; Pucherov, N. N.; Chirko, V. I.

ORG: Institute of Physics, AN UkrSSR (Institut fiziki AN UkrSSR)

TITLE: Analysis of the elastic scattering of 6.9 MeV protons by Ni isotopes and the nuclear optical model

SOURCE: Yadernaya fizika, v. 3, no. 5, 1966, 842-848

TOPIC TAGS: elastic scattering, proton polarization

ABSTRACT: The differential cross-sections and polarizations of 6.9 MeV protons, elastically scattered by Ni isotopes, were calculated on the basis of the optical model. It is shown that the model parameters giving the best agreement between theory and experiment differ significantly for various NI isotopes. An uncertainty exists in the choice of the depth and diffusion parameters b and W in the imaginary part of the potential for $W_b = \text{const}$. It is shown that the uncertainty in the choice of the optimal set of optical model parameters is significantly decreased if the analysis of the data on elastic scattering takes the angular dependence of the polarization as well as the differential cross-section into account. The authors thank the staff of the Institute of Cybernetics AN UkrSSR for making possible the calculations of the electronic computers as well as for assuring the operation of the machines. Orig. art. has: 3 figures, 7 formulas and 1 table. [Based on authors' Eng. abst.] [JPRS: 36,712]

SUB CODE: 20 / SUBM DATE: 26Feb65 / ORIG REF: 005 / OTH REF: 003

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ACCESSION NR: AP3000231

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AUTHOR: Iamatov, Ye.; Kashuba, I. Ya.

TITLE: Splitting of deuterons during scattering by nuclei

SOURCE: Ukrayins'kyy fizichnyy zhurnal, v. 8, no. 5, 1963, 532-536

TOPIC TAGS: deuteron splitting, Coulomb barrier, neutron, proton, elastic scattering cross section, perturbation theory, single particle potential, deuteron

ABSTRACT: The authors consider the splitting of deuterons by nuclei at energies above the Coulomb barrier. Allowance is made for the interaction of the neutron and the proton with the nucleus. As in most investigations of direct interactions, the present study is based on the perturbation theory. Single-particle potentials

$$V_n\left(\left|\vec{r} + \frac{1}{2}\vec{r}_n\right|\right) \quad V_p\left(\left|\vec{r} - \frac{1}{2}\vec{r}_p\right|\right)$$

were approximated by means of Gaussian functions with depths V_n and V_p respectively. In addition, it was assumed that the ratio of the deuteron radius

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to the nucleus radius is small. This particular splitting process leads to a decrease in the elastic scattering cross section. The computed differential and complete cross sections of the process are in qualitative agreement with the experimental data for Al 27 presented by Hamburger, E. W., Cohen, B. L., and Price, K. E. (Phys. Rev. 121, 1143, 1961). "In conclusion, I wish to express my appreciation to O. H. Sytenko for his counsel and criticism, as well as to N. N. Matviyshyna for assistance in performing numerical calculations." Orig. art. has: 3 equations and 2 graphs.

ASSOCIATION: Instytut fizy*ky* AN UkrSSR (Institute of Physics AN UkrSSR)

SUBMITTED: 27 Nov 62

DATE ACQ: 18 Jun 63

INCL: 00

SUB CODE: PH, NS

NO REF Sov: 008

OTHER: 004

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